

Product datasheet for RC237506

GPR107 (NM_001287346) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR107 (NM_001287346) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR107
Synonyms:	bA138E2.2; GCDRP; LUSTR1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237506 representing NM_001287346 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGAGAAATCCTTTTCTGTTTATAATAATGGTGGGGCAGTGTTCATTTTCAGTTTTTCTTTAACATCA
GCACTGATGACCAAGAAGCCTTTACAGTCTTTATTTTCATAAATGCCTTGAAAAAGAATTGCCAAGTGA
CAAGTTTACATTCAGCCTTGATATTGAGATCACAGAGAAGAATCCTGACAGCTACCTCTCAGCAGGAGAA
ATTCCTCTCCCAAATTATACATCTCAATGGCCTTTTTCTTTCTTTCTTTCTGGGACCATCTGGATTGATA
TCCTTCGAAAACGACGGAATGATGATTTAAAAATCCACTGGCTGATGGCGGCCCTTCCTTTCACCAAGTC
TCTTTCCTTGGTGTTCATGCAATTGACTACCACTACATCTCCTCCAGGGCTTCCCTATCGAAGGCTGG
GCTGTTGTGACTACATAACTCACCTTTTGAAGGGGGCGTACTTTCATCACCATTGCACTCATTGGCA
CTGGCTGGGCTTTCATTAAGCACATCCTTTCTGATAAAGACAAAAAGATCTTCATGATTGTCATTCCACT
CCAGGTCTGGCAAATGTAGCCTACATCATAGAGTCCACCGAGGAGGGCAGCACTGAATATGGCTTG
TGAAGGACTCTCTATTTCTGGTCGACCTGTTGTGTTGTGGTCCATCCTTCCAGTGGTGTGGTCAA
TCAGACATTTACAAGAAGCATCAGCAACAGATGAAAAAGCTGCTATTAACCTAGCAAAGCTGAAACTTTT
CAGACATTATTACGTCTTGATTGTGTTACATATACTTCACTAGGATCATTGCATTTCTCCTCAAATC
GCTGTTCCATTCCAGTGAAGTGGCTCTACCAGCTCCTGGATGAAACGGCCACACTGGTCTTCTTTGTT
TAACGGGGTATAAATTCGTCGGCTTCAGATAACCCCTACCTACAACCTTCTCAGGAAGAAGAAGACTT
GGAAATGGAGTCCGTG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC237506 representing NM_001287346
Red=Cloning site Green=Tags(s)

MGEKSFSVHNNGGAVSFQFFFNISTDDQEGLYSLYFHKCLGKELPSDKFTFSLDIEITEKNPDSYLSAGE
 IPLPKLYISMAFFFLSGTIWIHILRKRNRDVFKIHWLMAALPFTKSLSLVFHAIDYHYISSQGFPIEGW
 AVVYYITHLLKGALLFITIALIGTWAFIKHILSDKDKKIFMIVIPLQVLANVAYIIIESTEETTEYGL
 WKDSLFLVDLLCCGAILFPVWWSIRHLQEASATDGKAAINLAKLKLFRHYVYLIVCYIYFTRIIAFLKLL
 AVPFQWKWLYQLLDETATLVFFVLTGYKFRPASDNPYLQLSQEEDLEMSV

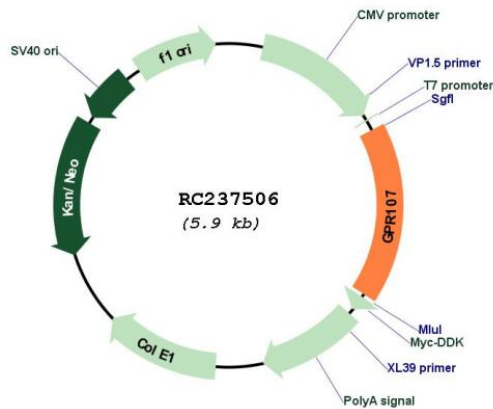
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287346

ORF Size: 996 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001287346.1 , NP_001274275.1
RefSeq Size:	3068 bp
RefSeq ORF:	999 bp
Locus ID:	57720
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome, Transmembrane
MW:	38.7 kDa
Gene Summary:	Has been proposed to act as a receptor for neuronostatin, a peptide derived from the somatostatin/SST precursor (PubMed:22933024). Involved in blood sugar regulation through the induction of glucagon in response to low glucose (By similarity).[UniProtKB/Swiss-Prot Function]